

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	18	(squirrel.in. or murphy.in. or price.in. or lowe.in. or white.in. or tisi.in. or murray.in. OR 3m.as. OR promega.as.) and luciferase and pyralis and "214" and "232"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2010/11/05 08:05
L2	22	(squirrel.in. or murphy.in. or price.in. or lowe.in. or white.in. or tisi.in. or murray.in. OR 3m.as. OR promega.as.) and luciferase and pyralis and "214"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2010/11/05 08:08
L3	27	(squirrel.in. or murphy.in. or price.in. or lowe.in. or white.in. or tisi.in. or murray.in. OR 3m.as. OR promega.as.) and luciferase and pyralis and "232"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2010/11/05 08:08
L4	31	I2 or I3	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2010/11/05 08:08
L5	13	I4 not I1	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2010/11/05 08:08
L9	6847	"232".dm.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2010/11/05 08:14
L10	7	L9 and pyralis and luciferase	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2010/11/05 08:14
L11	9	pyralis same "232" same luciferase	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2010/11/05 08:14
L12	1	I11 not (I1 or I2 or I3)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2010/11/05 08:14
L13	9	(pyralis same "232") and luciferase	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2010/11/05 08:15
L14	0	I13 not I11	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2010/11/05 08:15
L15	19	pyralis and ("232" same luciferase)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2010/11/05 08:16

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L16	10	l15 not l13	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2010/11/05 08:16
S1	2	"200024878".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/11/19 14:39
S2	4772	luciferase and 214!	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/12/02 10:16
S3	106	luciferase and ((threonine or T! or thr!) near2 214!)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/12/02 10:17
S4	0	luciferase.ab. and ((threonine or T! or thr!) near2 214!)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/12/02 10:18
S5	23	luciferase.ab. and 214!	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/12/02 10:21
S6	10	S5 and pyralis	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/12/09 09:11
S7	2	"20030068801".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/12/02 13:19
S8	148	luciferase near5 plant	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/12/09 09:07
S9	86	luciferase near3 plant	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/12/09 10:06
S10	3	luciferase and pyradis	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/12/09 09:11
S11	556	luciferase and pyralis	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/12/09 09:35
S13	360	S11 and (mutant or variant)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/12/09 09:12

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S14	93	S13 and 214!	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/12/09 09:12
S15	13	S9 and (thermostab\$)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/12/09 09:23
S16	0	"199846729".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/12/09 09:23
S17	2	"9846729".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/12/09 09:25
S18	10	"0524448"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/12/09 09:25
S19	1	"0524448".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/12/09 09:26
S20	3	"9525798".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/12/09 09:33
S37	0	S11 and (214! near30 pyralis)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/12/09 09:36
S38	22	(squirrell.in. or murphy.in. or price.in. or lowe.in. or white.in. or tisi.in. or murray.in.) and luciferase and pyralis	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/12/09 10:07
S39	7	S38 and "214"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/12/09 10:08
S40	6	luciferase near10 "214"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/12/09 10:08
S41	2	"20030068801".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/12/09 10:24
S42	112	plant.clm. and luciferase.clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/09/08 08:31

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S43	129	"214" and pyralis and luciferase	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/09/08 08:32
S44	3	S43 and thermostability	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/09/08 08:32
S45	35	S43 and thermostable	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/09/08 08:32
S46	2	"6132983".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/05/08 08:29
S47	1	"0524448".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/05/08 08:29
S48	10	"0524448"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/05/08 08:33
S49	623	photinus adj pyralis	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/05/08 08:34
S50	613	S49 and luciferase	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/05/08 08:34
S51	206	S50 and 215!	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/05/08 08:34
S52	10	S51 and luciferase near10 215!	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/05/08 08:35
S53	4	S51 and luciferase near10 214!	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/05/08 08:58
S54	2	"6265177".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/05/08 08:58
S55	108	(luciferase same pyralis) and ((mutation OR mutagenesis OR mutant OR substitut\$ OR repac\$) same "21"?)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/11/19 14:41

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S56	2	"6132983".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/05/30 13:58
S57	2	"6074859".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/05/30 13:59
S58	3935	luciferase same plant	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/05/30 13:59
S59	6	(luciferase same plant).ti.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/05/30 14:02
S60	11	(luciferase same plant).clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/05/30 14:03
S61	564	luciferase same "232"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/05/30 14:11
S62	17	luciferase same (mutat\$ OR substitut\$ OR replac\$) same "232"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/05/30 14:12
S63	208	luciferase and pyralis and "232"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/06/06 15:57
S64	8	luciferase same "232" same pyralis	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/06/06 15:57
S65	5	luciferase and ("amino acid 232" OR "position 232" OR "residue 232" OR "aa 232") and pyralis	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/06/06 16:13
S66	29	luciferase and (("amino acid" OR position OR residue OR "aa") same "232") and pyralis	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/06/06 16:16
S67	24	S66 not S65	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/06/06 16:16
S68	11	(squirrell.in. or murphy.in. or price.in. or lowe.in. or white.in. or tisi.in. or murray.in. OR 3m.as.) and luciferase and pyralis and "214"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/06/06 16:19

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S69	92676	(squirrell.in. or murphy.in. or price.in. or lowe.in. or white.in. or tisl.in. or murray.in.) OR promega.as.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2010/07/18 12:26
S70	27	S69 AND luciferase and pyralis and "232"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2010/07/18 12:26
S74	2	"6387675".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2010/11/04 14:37
S75	561021	"232"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2010/11/05 07:26
S76	291	S75 and pyralis and luciferase	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2010/11/05 07:26
S78	6847	"232".clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2010/11/05 07:29
S79	291	S76 and pyralis and luciferase	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2010/11/05 07:29

### EAST Search History (Interference)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L17	1	pyralis same "232" same luciferase	USPAT; UPAD	OR	OFF	2010/11/05 08:17
L18	1	(pyralis same "232") and luciferase	USPAT; UPAD	OR	OFF	2010/11/05 08:17
L19	5	pyralis and ("232" same luciferase)	USPAT; UPAD	OR	OFF	2010/11/05 08:17
L20	115	pyralis and "232" and luciferase	USPAT; UPAD	OR	OFF	2010/11/05 08:18
L21	2	l20 and "232".clm.	USPAT; UPAD	OR	OFF	2010/11/05 08:19
L22	0	pyralis same "214" same luciferase	USPAT; UPAD	OR	OFF	2010/11/05 08:19
L23	0	(pyralis same "214") and luciferase	USPAT; UPAD	OR	OFF	2010/11/05 08:19
L24	122	pyralis and "214" and luciferase	USPAT; UPAD	OR	OFF	2010/11/05 08:19
L25	56	l20 and l24	USPAT; UPAD	OR	OFF	2010/11/05 08:19

### EAST Search History (Interference)

L26	0	I25 and "214".clm.	USPAT; UPAD	OR	OFF	2010/11/05 08:20
L27	0	I24 and "214".clm.	USPAT; UPAD	OR	OFF	2010/11/05 08:20